IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claim 2 (Currently Amended): A semiconductor memory device having at least one memory cell, said at least one memory cell including a switching element, said switching element having a first electrode, a second electrode and a gate electrode, and a capacitive element connected to said first electrode in series with said switching element,

_____wherein said capacitive element has a ferroelectric body, and at least 80% of said ferroelectric body has a the polarization axis of said ferroelectric body is substantially parallel to within 5 degrees of a predetermined direction of an electric field across said capacitive element, and

wherein said ferroelectric body is provided above said first electrode,

and the ratio of the electrode area of the capacitor to the whole top plan area
of the memory element is as low as 30% or less.

Claim 3 (Original): A semiconductor memory device according to claim 1 or 2, wherein said ferroelectric body is comprised of a plurality of ferroelectric crystals and each of said crystals has a surface parallel to said polarization axis.

Claim 4 (Original): A semiconductor device comprising:

a substrate,

a connector attached to the substrate, and

a plurality of memories provided on the substrate,

wherein each of the memories includes a semiconductor memory device according to claim 1 or 2.

Claim 5 (Original): A semiconductor device according to claim 4, wherein the semiconductor device is a semiconductor disk.

Claim 6 (Original): A semiconductor device according to claim 4, wherein the semiconductor device is a semiconductor memory card.

Claim 7 (Original): A microprocessor including a cache memory having the semiconductor memory device according to claim 1 or claim 2.

Claim 8 (Original): A computer system comprising:

a microprocessor,

a memory, and

a system bus to which said microprocessor and said memory are connected, wherein said microprocessor includes a cache memory having the semiconductor memory device according to claim 1 or claim 2.

Claim 9 (Original): A computer system comprising:

a microprocessor,

a memory, and

a system bus to which said microprocessor and said memory are connected, wherein said memory includes the semiconductor memory device according to claim 1 or claim 2.

Claim 10 (Original): A computer system comprising:

a microprocessor,

a memory connected to said microprocessor, and

an I/O control connected to said microprocessor,

wherein said microprocessor includes a cache memory having the semiconductor memory device according to claim 1 or claim 2.

Claim 11 (Original): A computer system comprising:

a microprocessor,

a memory connected to said microprocessor, and

an I/C control connected to said microprocessor,

wherein said memory includes the semiconductor memory device according to claim 1 or claim 2.

Claim 12 (Original): An engine control apparatus comprising:

an I/O control,

a microprocessor connected to said I/O control, and

a memory connected to said I/O control,

wherein an engine is controlled via said I/O control by said microprocessor and said memory, and

wherein said microprocessor includes a cache memory having the semiconductor memory device according to claim 1 or claim 2.

Claim 13 (Original): An engine control apparatus comprising:

an I/O control,

a microprocessor connected to said I/O control, and

a memory connected to said I/O control,

wherein an engine is controlled via said I/O control by said microprocessor and said memory, and

wherein said memory includes the semiconductor memory device according to claim 1 or claim 2.

Claim 14 (Original): An engine control apparatus according to claim 12, wherein said engine is installed in any one of a vehicle, an air craft, an artificial satellite, a space station and a rocket.

Claim 15 (Original): An engine control apparatus according to claim 13, wherein said engine is installed in any one of a vehicle, an air craft, an artificial satellite, a space station and a rocket.

Claims 16-17 (Cancelled):